

Changing the Surface Area

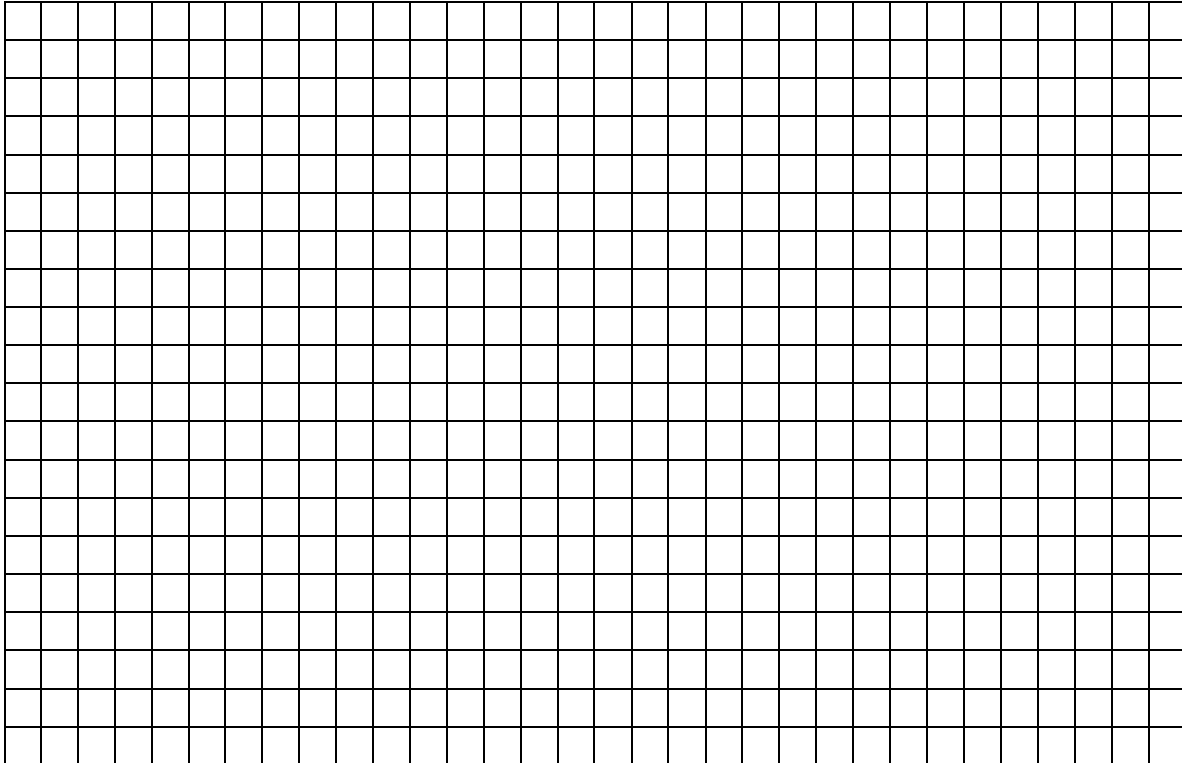
Directions: Measure the force required to pull a block using different surface areas. Calculate the averages. Then construct a graph showing the average force values for each surface.

Prediction: What do you think will happen to the force of friction when you increase the surface area?

Area	Average Force				
	in Newtons to pull across each surface				
	Tabletop	Coarse Sandpaper	Fine Sandpaper	Waxed Paper	Paper Towel
Wide (refer to 6.1 sheet for averages)					

Narrow										

Title: _____



What conclusion can you draw from your graph? Was your prediction correct?
